

Criteria/Description	Credentialing/ Artifacts	Proposed Credits
<p><b>TECHNICAL COMPETENCY:</b>  <b>Score Advanced on the NOCTI Heating, Ventilation, and Air Conditioning (HVAC) Written and Performance Test</b>  Written:</p> <ul style="list-style-type: none"> <li>• Electricity</li> <li>• Soldering, Brazing, and Welding</li> <li>• Pipefitting</li> <li>• Controls</li> <li>• Installation and Service</li> <li>• Related Math and Science</li> <li>• Refrigeration</li> <li>• Refrigerant Recovery</li> <li>• General Safety</li> <li>• Computer Literacy</li> <li>• Employability Skills</li> <li>• Air Conditioning</li> <li>• Heat Pumps and Electric Heat</li> <li>• Hydronic Systems</li> <li>• Forced Air, Gas, and Oil Units Humidity and Air Movement</li> <li>• Sheet Metal and Ductwork</li> </ul> <p>Performance:</p> <ul style="list-style-type: none"> <li>• Gas Furnace Start-up and Check</li> <li>• Air Conditioning</li> </ul>	<p><b>Third Party Assessment:</b>  National Occupational Competency Testing Instrument</p> <p><b>NOCTI Test Name:</b>  Heating, Ventilation, and Air Conditioning (HVAC)</p> <p>Students scoring advanced receive a Pennsylvania Skills Certificate from the Pennsylvania Department of Education</p>	20
<p><b>INDUSTRY CREDENTIALS:</b>  <b>Earn at least one of the following Industry Credentials</b></p> <ul style="list-style-type: none"> <li>• OSHA</li> <li>• Industry Competency Exams (ICE) (Residential Air Conditioning and Heating, Light Commercial Air Conditioning and Heating, Commercial Refrigeration, EPA 608 Certification)</li> <li>• Student Outcome Assessment</li> <li>• Certified Master HVAC Educator</li> <li>• EPA 608 Refrigerant Recovery</li> <li>• NCCER credentials (various trades)</li> <li>• PBA Skills Certificate</li> <li>• RSES Student Technician</li> <li>• NATE Certification (various certification exams)</li> <li>• Residential Construction Academy (RCA) National Registry</li> <li>• EPA 608</li> <li>• Indoor Air Quality</li> <li>• EPA 608 Refrigerant Recovery</li> <li>• Section 609 Certification for Refrigerant Recycling and Recovery</li> </ul>	<p><b>Third Party Provider:</b>  CareerSafe  Air Conditioning and Refrigeration Institute</p> <p>HVAC Excellence  HVAC Excellence  HVAC Excellence  National Center for Construction Education and Research (NCCER)  Pennsylvania Builders Association  Refrigeration Service Engineers Society (RSES)  North American Technician Excellence (NATE)  Home Builders Institute  Mainstream Engineering  Mainstream Engineering</p>	

<ul style="list-style-type: none"> <li>• Section 609 Certification for Refrigerant Recycling and Recovery</li> <li>• Step Ladder</li> <li>• Single and Extension Ladder</li> <li>• Articulated Ladder</li> <li>• Mobile Ladder</li> <li>• S/P2 Construction</li> <li>• Lead Safety for Renovation, Repair and Painting Certified Renovator</li> <li>• Lead Renovator Refresher Certification</li> <li>• Lead Abatement</li> <li>• Fork Lift Operator</li> <li>• Gastite and Tracpipe Flexible Gas Piping</li> <li>• NATE Core and Specialty Exams</li> </ul>	<p>ESCO Group  Mobile Air Conditioning Society  Worldwide  National Institute for Automobile  Service Excellence  American Ladder Institute  American Ladder Institute  American Ladder Institute  American Ladder Institute  S/P2  Environmental Protection Agency  (EPA)  Environmental Protection Agency  (EPA)  Environmental Protection Agency  (EPA)  National Safety Council</p>	
<p><b>SCHOOL TO WORK:</b></p> <ul style="list-style-type: none"> <li>• Documentation of a minimum of 200 hours of employment experience in the field.</li> </ul>	<p>Portfolio  Verification of Employment  Employee Evaluations</p>	<p>3</p>